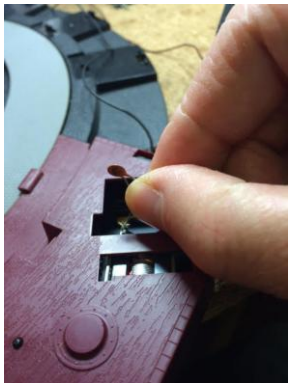
Conversion of Hornby turntable for use with the *Sig-naTrak*® TXC1

Squeeze the control cabin sides, as shown, to release the clips.

Pull the cabin free from the plinth.



Bend up the leads on the motor suppression capacitor so that the capacitor is clear of the plinth.

This is the position of the capacitor which allows the plinth to be removed from the base.

Turn the turntable over, and identify the apertures for the plinth retaining clips.

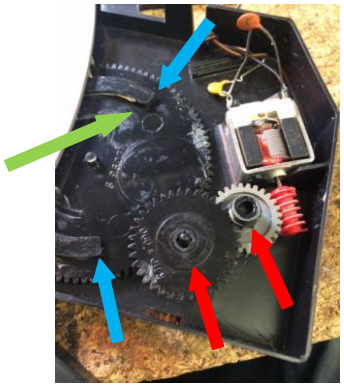
(shown here by the arrows)

Insert a screwdriver as shown. Carefully twist and then move outwards to ease the side of the plinth away from the base (by a few mm only – do not use excessive force!).

Repeat the above operation on the opposite side.

The plinth should now be free to slide off the base, BUT first turn the turntable upright.

All parts of the drive mechanism should remain in place, as shown in the next photograph.



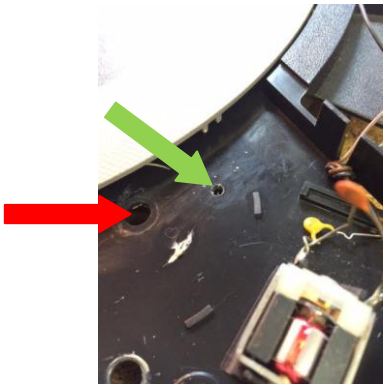
Make a careful note of how the gears are arranged (!!) then remove the two intermediate gears and their shafts (red arrows).

Ensure that the large drive gear is positioned as shown (blue arrows) AND that its central spigot is still correctly located in its hole in the base. Clamp the drive gear and the base together, to prevent movement, and drill a 2.9mm hole, ***through the gear and the base***, in the position shown (green arrow).

Remove the clamp and the drive gear.

The TXC1 magnet should be a push fit in the hole – **ensure that it does not protrude past the bottom surface of the gear.**

Secure the magnet with a tiny drop of cyanoacrylate glue (“super glue”), applied from the top of the hole.



This photograph shows the hole which has been drilled through the base (green arrow).

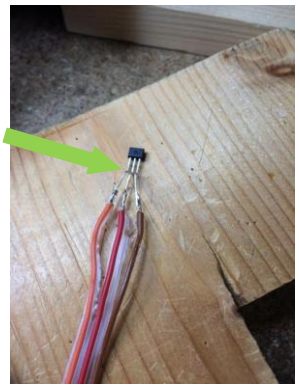
Note also the hole into which the drive gear's central spigot sits (red arrow).

Turn the turntable over.

Open up the newly-drilled hole to around 5mm diameter. This will provide a location for the TXC1's sensor.

(see green arrow)

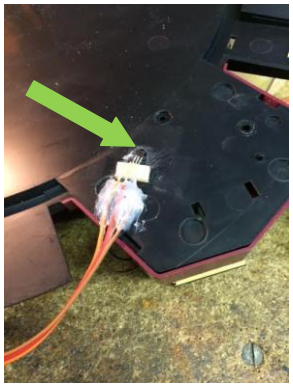
Roughen the surface of the base (underside, of course!) next to the 5mm hole using a fine file or emery paper.



Place the sensor on a flat surface with its **curved side down**.

Carefully "joggle" the leads of the sensor as shown (green arrow) so as to create a "step" of around 2mm. This is to allow the sensor to sit in the 5mm hole in the base whilst allowing room for soldered joints.

Solder wires onto the sensor, as shown (note the suggested colour code).



Locate the sensor in the 5mm hole in the base (green arrow).

Secure with either cyanoacrylate glue or epoxy resin. A thin strip of wood adds extra security.

Secure the flexible leads to provide “strain relief” (a “cool melt” glue gun was used here).

Re-install the gears, then replace the plinth and control cabin.

This photograph shows the turntable wiring to the TXC1.

(blue arrow – sensor to SK8)
(green arrow – motor to SK2, pins 4&5)

See the TXC1 User Manual, page 8.

Now refer to the TXC1 User Manual – section 5 (starting on page 16) – for instructions on setting up the TXC1 for your turntable.